Center for Vitamins and Cancer Research

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OBJECTIVE:

To define the role of vitamins in the prevention and treatment of cancer. Experimental data suggest that vitamins A, C, and E could markedly reduce the incidence of cancer. These vitamins also play an important role in the management of tumors.

CURRENT ACTIVITIES:

1. FUNDAMENTAL RESEARCH:
The effects of vitamins A, C, and E are being studied on tumor cells in vitro, and on animal tumors (melanoma, brain tumors and neuroblastoma). The mechanisms of the effects of vitamins are also being investigated.

2. CLINICAL RESARCH:
We have initiated the treatment of melanoma and brain tumors with vitamin E with Dr. Frank Meyskens of the Arizona Health Science Center. In collaboration with Dr. William Robinson of the University of Colorado School of Medicine, we are presently planning to treat melanoma and leukemia with vitamin E.

3. TEACHING:
Lectures on the role of vitamins in the prevention and treatment of cancer are being prepared and presented to students and researchers in the field.

FUTURE ACTIVITIES:

1. RESEARCH:
Studies are presently being designed to examine the role of vitamins in the etiology of colon cancer and lung cancer. The incidence of lung cancer among uranium miners in the Grand Junction area is of epidemic proportions. After the completion of our studies we hope to be able to significantly reduce the incidence of cancer by the use of vitamins.

2. PUBLIC EDUCATION:
We perceive the education of the public as one of our important activities and are planning a series of regional and national meetings discussing the role of vitamins in the prevention and treatment of cancer. The first of these will be an international meeting to be held at the Denver Hilton, June 19-22 1983.

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